WEED ABSTRACTS

Combined Table of Contents

and

Annual Indexes

Volume 17

COMMONWEALTH INSTITUTE
OF ENTOMOLOGY
- 6 JUL 1978

Note: The Author Indexes to Volume 17 were issued with Volume 17 No. 6

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https://archive.org/details/weed-abstracts_1968_17_index

WEED ABSTRACTS

Volume 17, 1968

and

Annual Indexes

Prepared by

AGRICULTURAL RESEARCH COUNCIL
WEED RESEARCH ORGANIZATION
YARNTON, OXFORD, OX5 1PF, ENGLAND

Published by

COMMONWEALTH AGRICULTURAL BUREAUX
FARNHAM ROYAL, BUCKS, ENGLAND

Weed Abstracts is prepared by the Weed Research Organization of the Agricultural Research Council under the direction of J. D. Fryer and published every two months by the Commonwealth Agricultural Bureaux as one of a series of abstract journals covering the major branches of agricultural science.
The object of *Weed Abstracts* is to provide factual summaries and reports of the world scientific and technical literature on weeds, weed control and allied subjects as a means of enabling readers to keep abreast of current developments and to act as a concise source of reference.

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All correspondence concerned with technical matters or with the contents of *Weed Abstracts* should be addressed to:

Information Section,
A.R.C. Weed Research Organization,
Yarnton, Oxford, OX5 1PF, England.

All correspondence concerned with subscriptions or sales should be addressed to the Commonwealth Agricultural Bureaux at the address given below.

Central Sales Branch,
Commonwealth Agricultural Bureaux,
Farnham Royal, Bucks, England

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Abbreviations

abs.	abstract	hkg	hectokilogram	ppm	parts per million
ac	acre	h.p.	horse power	ppmv	parts per million by volume
a.e.	acid equivalent	in.	inch	ppmw	parts per million by weight
a.i.	active ingredient	in^2	square inch	pre-em.	pre-emergence
bibl.	bibliography	kg	kilogram	p.t.o.	power take-off
b.p.	boiling point	l.	litre	r.h.	relative humidity
bu	bushel	LD_{50}	median lethal dose	s	second
C	Centigrade	lb	pound	s.	summary
conc.	concentrated	M	molar concentration	sp.	species
concn	concentration	m	metre	spp.	species (plural)
cv.	cultivar(s)	m-	milli ($\times 10^{-3}$)	ssp.	subspecies
cwt	hundredweight	μ-	micro- ($\times 10^{-6}$)	t	tonne (Mg)
d.b.h.	diameter at breast height	m^2	square metre	temp.	temperature
diam.	diameter	mg	milligram	u.v.	ultra-violet
d.m.	dry matter	min	minute	var.	*varietas*
dz	double centner	ml	millilitre	vol.	volume
e.c.	emulsifiable concentrate	mm	millimetre	wt.	weight
F	Fahrenheit	m.p.	melting point	w.p.	wettable powder
F.s.	From summary	N	normal concentration	yd	yard
ft	foot	n.d.	not dated	>	more than
ft^2	square foot	o.m.	organic matter	<	less than
g	gram	oz	ounce	±	with or without
gal	gallon	p.	page	#	pound per acre
h	hour	post-em.	post-emergence	%	percent(age)
ha	hectare	pp.	pages		

Abbreviations for the names of units are the same in the singular and the plural

Languages

An initial capital denotes the language of the paper, a small letter the language of the summary.

Af	Afrikaans	Fi	Finnish	I	Italian	R	Russian
Bg	Bulgarian	Fl	Flemish	J	Japanese	Sh	Serbo-Croat
Cs	Czech	F	French	No	Norwegian	S	Spanish
Da	Danish	D	German	Pl	Polish	Sv	Swedish
Nl	Dutch	He	Hebrew	Pt	Portuguese	Tr	Turkish
E	English	Hu	Hungarian	Ro	Romanian		

Where there is more than one author to a paper, the address given refers only to the first and is normally the address where the work was carried out.

Where abstracts have been taken in their entirety from other abstract journals, the acknowledgement follows the abstract thus: *Herb. Abstr.* **2:** 163; where a modified version of the abstract is used, the acknowledgement is preceded by the word "From", e.g. From *Biol. Abstr.* **2:** 294.

Unless otherwise stated, rates of application for growth-regulator herbicides such as 2,4-D, MCPA, fenoprop, dalapon, the benzoics, etc. are given as the acid equivalent. Rates for other herbicides such as the ureas, carbamates, triazines, etc. are given as the active ingredient. Rates for the bipyridyls refer to the cation, only.

List of common names and abbreviations used for herbicides and plant growth regulants in Weed Abstracts

An asterisk (*) signifies approval by the British Standards Institution (BSI)
A dagger (†) signifies approval by the Weed Science Society of America (WSSA)
Where the name approved by the WSSA differs from that approved by the BSI, the WSSA name is given in brackets after the chemical name.

acrolein†	acrylaldehyde
allidochlor*	*NN*-diallylchloroacetamide (CDAA)
ametryne*†	4-ethylamino-6-isopropylamino-2-methylthio-1,3,5-triazine
aminotriazole*	3-amino-1,2,4-triazole (amitrole)
AMS†	ammonium sulphamate
asulam*	*N*-(4-aminobenzenesulphonyl) methylcarbamate
atraton*	4-ethylamino-6-isopropylamino-2-methoxy-1,3,5-triazine (atratone)
atrazine*†	2-chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine
barban*†	4-chlorobut-2-ynyl *N*-(3-chlorophenyl)carbamate
benazolin*	4-chloro-2-oxobenzothiazolin-3-ylacetic acid
bensulide*	*N*-[2-(*O*,*O*-di-isopropyldithiophosphoryl)ethyl] benzene sulphonamide
benzthiazuron*	*N*-(2-benzothiazolyl)-*N′*-methylurea
bromacil*†	5-bromo-6-methyl-3-(1-methyl-n-propyl) uracil
bromoxynil*†	3,5-dibromo-4-hydroxybenzonitrile
buturon*†	*N′*-(4-chlorophenyl)-*N*-isobutynyl-*N*-methylurea
carbetamide*	D-N-ethyl-2-(phenylcarbamoyloxy) propionamide
CDEA†	*NN*-diethylchloroacetamide
chloramben*	3-amino-2,5-dichlorobenzoic acid (amiben)
chloranocryl*	*N*-(3,4-dichlorophenyl)methacrylamide (dicryl)
chlorazine*†	2-chloro-4,6-bisdiethylamino-1,3,5-triazine
chlorbromuron*	*N*-(4-bromo-3-chlorophenyl)-*N′*-methoxy-*N′*-methylurea
chlorbufam*	1-methylprop-2-ynyl *N*-(3-chlorophenyl) carbamate (BiPC)
chlordane*†	1,2,4,5,6,7,10,10-octachloro-4,7,8,9-tetrahydro-4,7-methyleneindane
chlorfenac*	2,3,6-trichlorophenylacetic acid (fenac)
chlorflurazole*	4,5-dichloro-2-trifluoromethylbenzimidazole
chlorflurecol*	2-chloro-9-hydroxyfluorene-9-carboxylic acid
chlormequat*	2-chloroethyl-trimethyl-ammonium chloride (CCC)
chloropon*	2,2,3-trichloropropionic acid
chloroxuron*†	*N′*-4-(4-chlorophenoxy)phenyl-*NN*-dimethylurea
chloroxynil*	3,5-dichloro-4-hydroxybenzonitrile
chlorpropham*†	isopropyl *N*-(3-chlorophenyl)carbamate (CIPC)
chlorthal*	2,3,5,6-tetrachloroterephthalic acid
chlorthiamid*	2,6-dichlorothiobenzamide
4-CPA*†	4-chlorophenoxyacetic acid
cycluron*†	*N′*-cyclo-octyl-*NN*-dimethylurea
cypromid*†	3,4-dichlorocyclopropanecarboxanilide
2,4-D*†	2,4-dichlorophenoxyacetic acid
dalapon*†	2,2-dichloropropionic acid
dazomet*†	3,4,5,6-tetrahydro-3,5-dimethyl-2-thio-2*H*-1,3,5-thiadiazine (DMTT)
2,4-DB*†	4-(2,4-dichlorophenoxy)butyric acid
DCU†	dichloral urea
2,4-DEP†	tris-(2,4-dichlorophenoxyethyl)phosphite
2,4-DES*	2-(2,4-dichlorophenoxy)ethyl hydrogen sulphate (sesone)
desmetryne*†	4-isopropylamino-6-methylamino-2-methylthio-1,3,5-triazine
di-allate*	*S*-2,3-dichloroallyl *NN*-di-isopropylthiocarbamate (diallate)
dicamba*†	3,6-dichloro-2-methoxybenzoic acid
dichlobenil*†	2,6-dichlorobenzonitrile
dichlone*†	2,3-dichloro-1,4-naphthaquinone
dichlorprop*	(±) 2-(2,4-dichlorophenoxy)propionic acid
difenoxuron*	*N′*-4-(4-methoxyphenoxy)phenyl-*NN*-dimethylurea
dimexan*	di(methoxythiocarbonyl)disulphide
dinosam*†	2-(1-methyl-n-butyl)-4,6-dinitrophenol (DNAP)
dinoseb*†	2-(1-methylpropyl)-4,6-dinitrophenol (DNBP)
dinoterb*	4,6-dinitro-2-t-butylphenol
diphenamid*†	*NN*-dimethyl-αα-diphenylacetamide
diphenatrile†	diphenylacetonitrile
dipropalin†	2,6-dinitro-*NN*-dipropyl-4-methylaniline
diquat*†	9,10-dihydro-8a, 10a-diazoniaphenanthrene-2*A*
diuron*†	*N′*-(3,4-dichlorophenyl)-*NN*-dimethylurea
DMPA†	*O*-(2,4-dichlorophenyl) *O′*-methyl *N*-isopropyl phosphoramidothioate
DNOC*	2-methyl-4,6-dinitrophenol (DNC)
endothal*	7-oxabicyclo[2,2,1]heptane-2,3-dicarboxylic acid (endothall)
EPTC*†	*S*-ethyl *NN*-dipropyl(thiocarbamate)
erbon†	2-(2,4,5-trichlorophenoxy)ethyl 2,2-dichloropropionate
etinofen*	2-ethoxymethyl-4,6-dinitrophenol
EXD†	di(ethoxythiocarbonyl) disulphide
fenoprop*	(±) 2-(2,4,5-trichlorophenoxy)propionic acid (silvex)
fenuron*†	*NN*-dimethyl-*N′*-phenylurea

fenuron-TCA†	*NN*-dimethyl-*N′*-phenyluronium trichloroacetate
fluometuron*†	*N′*-(3-trifluoromethylphenyl)-*NN*-dimethylurea
GA	gibberellic acid
IAA	indolylacetic acid
IBA	indolylbutyric acid
ioxynil*†	4-hydroxy-3,5-di-iodobenzonitrile
ipazine*†	2-chloro-4-diethylamino-6-isopropylamino-1,3,5-triazine
isocil*†	5-bromo-3-isopropyl-6-methyluracil
lenacil*†	3-cyclohexyl-6,7-dihydro-1*H*-cyclopentapyrimidine-2,4-(3*H*,5*H*)dione
linuron*†	*N′*-(3,4-dichlorophenyl)-*N*-methoxy-*N*-methylurea
MCPA*†	4-chloro-2-methylphenoxyacetic acid
MCPB*†	4-(4-chloro-2-methylphenoxy)butyric acid
mecoprop*†	(±) 2-(4-chloro-2-methylphenoxy)propionic acid
medinoterb*	4,6-dinitro-5-methyl-2-t-butylphenol
metham*†	*N*-methyldithiocarbamic acid (SMDC)
methiuron*	*NN*-dimethyl-*N′*-(3-methylphenyl)thiourea
methometon*	2-methoxy-4,6-bis(3-methoxypropylamino)-1,3,5-triazine
methoprotryne*	4-isopropylamino-6-(3-methoxypropylamino)-2-methylthio-1,3,5-triazine
metobromuron*†	*N′*-(4-bromophenyl)-*N*-methoxy-*N*-methylurea
metoxuron*	*N′*-(3-chloro-4-methoxyphenyl)-*NN*-dimethylurea
MH†	1,2,3,6-tetrahydro-3,6-dioxopyridazine
monalide*	*N*-(4-chlorophenyl)-2,2-dimethylvaleramide
monolinuron*†	*N′*-(4-chlorophenyl)-*N*-methoxy-*N*-methylurea
monuron*†	*N′*-(4-chlorophenyl)-*NN*-dimethylurea
monuron-TCA†	*N′*-(4-chlorophenyl)-*NN*-dimethyluronium trichloroacetate
morfamquat*	1,1′-bis(3,5-dimethylmorpholinocarbonylmethyl)-4,4′-bipyridylium-2*A*
NAA	naphthyl acetic acid
naptalam*†	*N*-1-naphthylphthalamic acid (NPA)
neburon*†	*N*-butyl-*N′*-(3,4-dichlorophenyl)-*N*-methylurea
nitrofen*	2,4-dichlorophenyl 4-nitrophenyl ether
noruron*	*N′*-(hexahydro-4,7-methanoindan-5-yl)-*NN*-dimethylurea (norea)
paraquat*†	1,1′-dimethyl-4,4′-bipyridylium-2*A*
PCP†	pentachlorophenol
pebulate*†	*S*-propyl *N*-butyl-*N*-ethylthiocarbamate (PEBC)
pentanochlor*	*N*-(3-chloro-4-methylphenyl)-2-methypentanamide (solan)
phenmedipham*	methyl 3-(*m*-tolylcarbamoyloxy)phenyl carbamate
picloram*†	4-amino-3,5,6-trichloropicolinic acid
prometon*	4,6-bisisopropylamino-2-methoxy-1,3,5-triazine (prometone)
prometryne*†	4,6-bisisopropylamino-2-methylthio-1,3,5-triazine
propachlor*†	2-chloro-*N*-isopropylacetanilide
propanil*†	*N*-(3,4-dichlorophenyl) propionamide
propazine*†	2-chloro-4,6-bisisopropylamino-1,3,5-triazine
propham*†	isopropyl *N*-phenylcarbamate (IPC)
proxan*	*M*-isopropyl xanthate (IPX)
pyrazon*†	5-amino-4-chloro-2-phenylpyridazin-3(2*H*)-one
rhodethanil*	2-chloro-*N*-ethyl-4-thiocyanatoaniline
siduron*†	*N*-(2-methylcyclohexyl)-*N′*-phenylurea
simazine*†	2-chloro-4,6-bisethylamino-1,3,5-triazine
simeton*	4,6-bisethylamino-2-methoxy-1,3,5-triazine (simetone)
simetryne*†	4,6-bisethylamino-2-methylthio-1,3,5-triazine
SMA	sodium monochloroacetate
sulfallate*	2-chloroallyl *NN*-diethyldithiocarbamate (CDEC)
swep†	methyl *N*-(3,4-dichlorophenyl)carbamate
2,4,5-T*†	2,4,5-trichlorophenoxyacetic acid
2,4,5-TB*†	4-(2,4,5-trichlorophenoxy)butyric acid
2,3,6-TBA†	2,3,6-trichlorobenzoic acid
TCA†	trichloroacetic acid
terbacil†	5-chloro-6-methyl-3-t-butyluracil
2,4,5-TES†	2-(2,4,5-trichlorophenoxy)ethyl hydrogen sulphate
TIBA	2,3,5-triiodobenzoic acid
tri-allate*	*S*-2,3,3-trichloroallyl *NN*-di-isopropylthiolcarbamate (triallate)
tricamba*†	3,5,6-trichloro-2-methoxybenzoic acid
trietazine*†	2-chloro-4-diethylamino-6-ethylamino-1,3,5-triazine
trifluralin*†	2,6-dinitro-*NN*-dipropyl-4-trifluoromethylaniline
trimeturon*†	*N′*-(4-chlorophenyl)-*ONN*-trimethylisourea

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